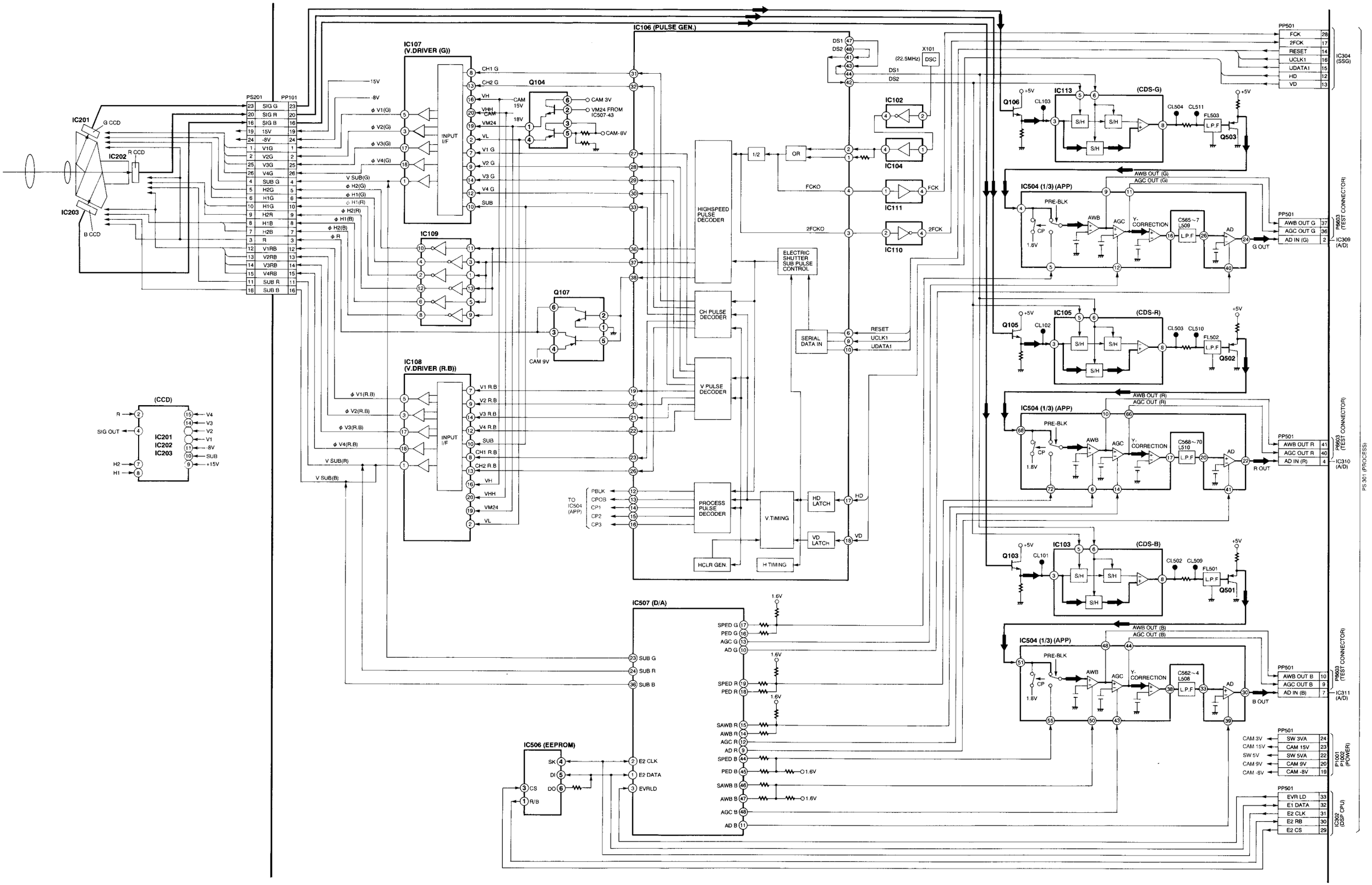CCD & SENSOR BLOCK DIAGRAM